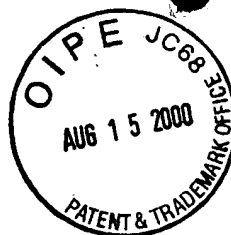


SEQUENCE LISTING



RECEIVED

SEP 05 2000

TECH CENTER 1600/2900

<110> SAKSELA, Kalle  
HIIPAKKA, Marita

<120> Methods and materials for generating SH3 domains with  
tailored binding properties

<130> 0933-0159P

<140> 09/579,894

<141> 2000-05-26

<150> 60/136,085

<151> 1996-05-26

<160> 32

<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

<213> Homo sapiens

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<223> consensus motif of SH3 domains

<400> 1

Ala Leu Tyr Asp Tyr

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5

<210> 2

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> amino acids 14-19 of the human Nck protein

<400> 2

Val Ala Gln Gln Glu Gln

1

5

<210> 3

<211> 6

<212> PRT

<213> Mus sp.

<220>

<223> amino acids 794-799 of the C-terminal SH3 domain  
of mouse Vav1 protein

<400> 3

Cys Ala Arg Asp Arg Ser  
1 5

<210> 4

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer

<220>

<221> unsure

<222> ( )..)

<223> any n = c, g, a, t

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attctgcagg aattcgtggt tgcctgtat gattatnnnn nknnsnnknn knnsgaccte 60  
agcttcaga agggggac 78

<210> 5

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> amino acid residues 69-74 of human p59 Hck protein

<400> 5

Glu Ala Ile His His Glu  
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<210> 6

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Modified  
RT-loop sequence

<400> 6

Val Ser Trp Ser Pro Asp  
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<210> 7

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Modified  
RT-loop sequence

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Phe Ser Trp Ser Asp Thr  
1 5

<210> 8

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Modified  
RT-loop sequence

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Asp Ser Trp Ser Thr Ser  
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<210> 9

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Modified  
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Tyr Ser Trp Ser Asp Met

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<210> 10

<211> 6

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Trp Ser Pro Phe Pro Ser

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<210> 11

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Modified  
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Asp Ser Pro Phe Ser Phe

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5

<210> 12

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Modified  
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Phe Ser Pro Phe Ser Phe

1

5

<210> 13

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Modified  
RT-loop sequence

<400> 13

Phe Ser Pro Phe Asp Trp  
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<210> 14

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Modified  
RT-loop sequence

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Ser Ser Pro Phe Asp Trp  
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<210> 15

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Modified  
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Tyr Ser Pro Phe Ser Trp  
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<210> 16

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Modified  
RT-loop sequence

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Thr Ser Pro Phe Pro Trp

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<210> 17

<211> 6

<212> PRT

<213> Artificial Sequence

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Tyr Ser Phe Phe Pro Trp

1

5

<210> 18

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

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RT-loop sequence

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Tyr Ser Asp Phe Pro Trp

1

5

<210> 19

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Modified  
RT-loop sequence

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Asp Ser Trp Phe Pro Trp

1

5

<210> 20

<211> 6  
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RT-loop sequence

<400> 20  
Ser Ser Phe Tyr Ser Ser  
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<210> 21  
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<220>  
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RT-loop sequence

<400> 21  
Gln Gly Phe Leu Asp Gln  
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<210> 22  
<211> 6  
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<220>  
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RT-loop sequence

<400> 22  
Asn Ala Phe Leu Pro Ser  
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<210> 23  
<211> 6  
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<220>  
<223> Description of Artificial Sequence:Modified

RT-loop sequence

<400> 23

Glu Ala Trp Ser Pro Leu

1

5

<210> 24

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Modified  
RT-loop sequence

<400> 24

Glu Ser Tyr Ser Glu Trp

1

5

<210> 25

<211> 7

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<223> Description of Artificial Sequence:PXXP motif  
consensus sequence

<220>

<223> Position 2, 5, 6 = Xaa = any amino acid

<220>

<223> Position 3 = Xaa = a hydrophobic amino acid

<400> 25

Arg Xaa Xaa Pro Xaa Xaa Pro

1

5

<210> 26

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PXXP motif



consensus sequence

<220>

<223> Position 2, 5 = Xaa = any amino acid

<220>

<223> Position 3 = Xaa = a hydrophobic amino acid

<400> 26

Pro Xaa Xaa Pro Xaa Arg

1

5

<210> 27

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:fragment of  
56aa Hck polypeptide fragment

<400> 27

Val Asp Ser Leu

1

<210> 28

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial SH3  
domain - peptide motif

<220>

<223> Position 1, 5, 6 = Xaa = any amino acid

<400> 28

Xaa Ser Trp Ser Xaa Xaa

1

5

<210> 29

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial SH3  
domain - peptide motif

<220>

<223> Position 1, 5, 6 = Xaa = Val, Phe, Asp, Met, Pro,  
Ser, Thr, Trp, or Tyr

<400> 29

Xaa Ser Trp Ser Xaa Xaa  
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<210> 30

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial SH3  
domain - peptide motif

<220>

<223> Position 1, 5, 6 = Xaa = any amino acid

<400> 30

Xaa Ser Pro Phe Xaa Xaa  
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<210> 31

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial SH3  
domain - peptide motif

<220>

<223> Position 1, 5, 6 = Xaa = Val, Phe, Asp, Met, Pro,  
Ser, Thr, Trp, or Tyr

<400> 31

Xaa Ser Pro Phe Xaa Xaa  
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<210> 32

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial SH3  
domain - peptide motif

<220>

<221> UNSURE

<222> (1)..(3)

<223> any Xaa = unknown

<400> 32

Xaa Ser Xaa Phe Pro Trp

1

5